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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,144	03/02/2004	Michinori Ikezoe	023971-0382	3002
22428 FOLEY AND	7590 05/29/2007 LARDNER LLP		EXAMINER	
SUITE 500			PHAN, HAU VAN	
3000 K STREE WASHINGTO			ART UNIT PAPER NUMBER	
	•		3618	
			MAIL DATE	DELIVERY MODE
			05/29/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No.	Applicant(s)				
		10/790,144	IKEZOE, MICHINORI				
		Examiner	Art Unit				
		Hau V. Phan	3618				
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be to the vill apply and will expire SIX (6) MONTHS from a cause the application to become ARANDON	DN. timely filed m the mailing date of this communication. JED (35 U.S.C. 8.133)				
Status							
2a) <u></u>	 1) ⊠ Responsive to communication(s) filed on 02 March 2004. 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 						
Dispositi	ion of Claims						
5)⊠ 6)⊠ 7)⊠ 8)□ Applicati 9)□ 10)□	Claim(s) 1-13 is/are pending in the application. 4a) Of the above claim(s) 1 and 2 is/are withdra Claim(s) 8-13 is/are allowed. Claim(s) 3 is/are rejected. Claim(s) 4-7 is/are objected to. Claim(s) are subject to restriction and/or ion Papers The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Examiner	r election requirement. r. epted or b) objected to by the drawing(s) be held in abeyance. Second is required if the drawing(s) is of	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
2) 🔲 Notice 3) 🔯 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>3/2/2004</u> .	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	Date				

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DETAILED ACTION

Election/Restrictions

- 1. Applicant's election without traverse of group II, claims 3-13 in the reply filed on 4/10/2007 is acknowledged.
- 2. Claims 1-2 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 4/10/2007.

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 3/2/2004 has been considered.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ovshinsky et al. (2003/0129459) in view of Takee et al. (6,368,748).

Pvshinsky et al. in figures 1-5, disclose a hybrid electric vehicle comprising a plurality of sealed nickel metal hydride storage cells, each of the storage cells having a

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positive electrode containing nickel as a positive electrode active material, a negative electrode containing a hydrogen-absorbing alloy as a negative electrode active material. Pvshinsky et al. fail to show the negative electrode having a theoretical capacity larger than a theoretical capacity of the positive electrode so as to provide a charge reserve capacity when the positive electrode is in a fully charged state and to provide a discharge reserve capacity when the positive electrode is in a fully discharged state, a ratio of the charge reserve capacity to the discharge reserve capacity ranging from 1 : 0 to 1 : 0.5; a separator interposed between the positive electrode and the negative electrode; and an electrolyte immersing therein the positive electrode and the negative electrode.

Takee et al. in figure 1, teach a nickel metal hydride storage cell having a positive electrode and a negative containing a hydrogen-absorbing electrode. The negative electrode has a theoretical capacity larger than a theoretical capacity of the positive electrode. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the hydride storage cells of Ovshinsky et al. with the nickel metal hydride storage cells comprising a negative electrode having a theoretical capacity larger than a theoretical capacity of a positive electrode as taught by Takee et al. in order to causes no rise in the cell.

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Allowable Subject Matter

6. Claims 4-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. Claims 8-13 are allowed.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kumar discloses a hybrid energy powerSugiura et al. discloses a DC power supply fuel cell.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau V. Phan whose telephone number is 571-272-6696. The examiner can normally be reached on 7:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Ellis can be reached on 571-272-6914. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Hau V Phan Primary Examiner Art Unit 3618

5/19/07